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(FILE 'HOME' ENTERED AT 10:08:23 ON 06 NOV 2008)

FILE 'REGISTRY' ENTERED AT 10:08:34 ON 06 NOV 2008

L1 STRUCTURE UPLOADED

L2 2 S L1

L3 54 S L1 FULL

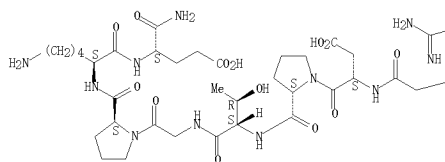
=> d 1-54 ide can

L3 ANSWER 1 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 1029915-78-3 REGISTRY
 ED Entered STN: 23 Jun 2008
 CN L- α -Glutamine, 1-[2-(6-hydroxy-3-oxo-3H-xanthen-9-yl)benzoyl]-L-prolyl-L-threonyl-L-seryl-L-glutamyl-L- α -aspartyl-L-prolyl-L-threonyl-L-prolyl-L-lysyl- (CA INDEX NAME)
 FS PROTEIN SEQUENCE; STEREOSEARCH
 MF C79 H108 N20 O27
 SR CA
 LC STN Files: CA, CAPLUS

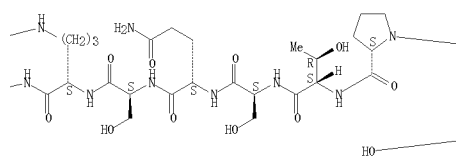
RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

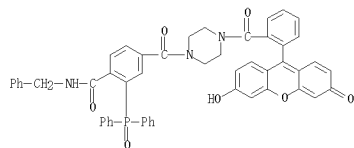
PAGE 1-A



PAGE 1-B



L3 ANSWER 2 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 1027211-46-6 REGISTRY
 ED Entered STN: 11 Jun 2008
 CN Benzamide, 2-(diphenylphosphinyl)-4-[[4-[2-(6-hydroxy-3-oxo-3H-xanthen-9-yl)benzoyl]-1-piperazinyl]carbonyl]-N-(phenylmethyl)- (CA INDEX NAME)
 MF C51 H40 N3 O7 P
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT



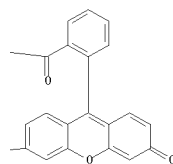
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 148:579694

L3 ANSWER 1 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN (Continued)

PAGE 1-C



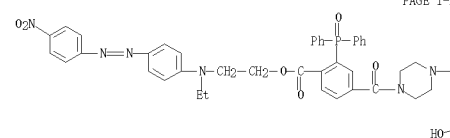
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

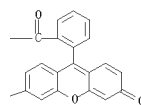
REFERENCE 1: 149:47217

L3 ANSWER 3 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 1027211-45-5 REGISTRY
 ED Entered STN: 11 Jun 2008
 CN Benzoic acid, 2-(diphenylphosphinyl)-4-[[4-[2-(6-hydroxy-3-oxo-3H-xanthen-9-yl)benzoyl]-1-piperazinyl]carbonyl]-2-[ethyl[4-[2-(4-nitrophenyl)diazanyl]phenyl]amino]ethyl ester (CA INDEX NAME)
 MF C60 H49 N6 O10 P
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT

PAGE 1-A



PAGE 1-B

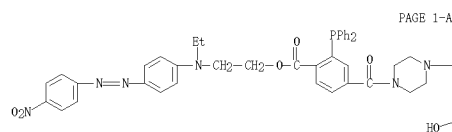


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 148:579694

L3 ANSWER 4 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 1027211-39-7 REGISTRY
 ED Entered STN: 11 Jun 2008
 CN Benzoic acid, 2-(diphenylphosphino)-4-[[4-[2-(6-hydroxy-3-oxo-3H-xanthen-9-yl)benzoyl]-1-piperazinyl]carbonyl]-, 2-ethyl[4-[2-(4-nitrophenyl)diazanyl]phenyl]amino]ethyl ester (CA INDEX NAME)
 MF C60 H49 N6 O9 P
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

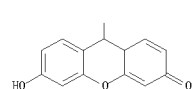
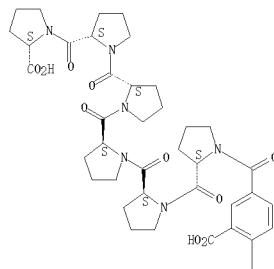
1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 148:579694

L3 ANSWER 5 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 1026898-62-3 REGISTRY
 ED Entered STN: 10 Jun 2008
 CN INDEX NAME NOT YET ASSIGNED
 FS PROTEIN SEQUENCE: STEREOSEARCH
 MF C51 H56 N6 O13
 SR Other Sources
 Database: ChemSpider (ChemZoo, Inc.)

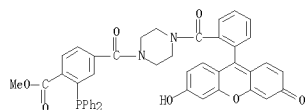
RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 6 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 946062-51-7 REGISTRY
 ED Entered STN: 05 Sep 2007
 CN Benzoic acid, 2-(diphenylphosphino)-4-[[4-[2-(6-hydroxy-3-oxo-3H-xanthen-9-yl)benzoyl]-1-piperazinyl]carbonyl]-, methyl ester (CA INDEX NAME)
 MF C45 H35 N2 O7 P
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT



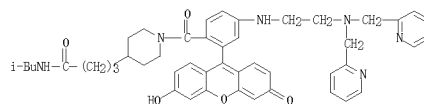
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2 REFERENCES IN FILE CA (1907 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 148:511223

REFERENCE 2: 147:271848

L3 ANSWER 7 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 960599-13-6 REGISTRY
 ED Entered STN: 17 Apr 2007
 CN 4-Piperidinebutanamide, 1-[4-[[2-[bis(2-pyridinylmethyl)amino]ethyl]amino]-2-(6-hydroxy-3-oxo-3H-xanthen-9-yl)benzoyl]-N-(2-methylpropyl)- (CA INDEX NAME)
 MF C47 H52 N6 O5
 SR CA
 LC STN Files: CA, CAPLUS

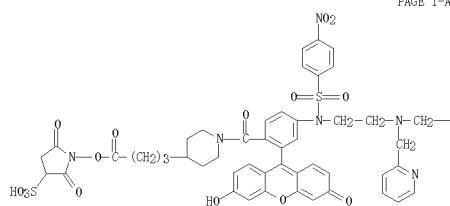


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 146:375083

L3 ANSWER 8 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 909259-15-0 REGISTRY
 ED Entered STN: 02 Oct 2006
 CN 4-Piperidinebutanoic acid, 1-[4-[[2-[bis(2-pyridinylmethyl)amino]ethyl] [(4-nitrophenyl)sulfonyl]amino]-2-(6-hydroxy-3-oxo-3H-xanthen-9-yl)benzoyl]-, 2,5-dioxo-3-sulfo-1-pyrrolidinyl ester (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 3-Pyrrolidinesulfonic acid, 1-[4-[1-[4-[[2-[bis(2-pyridinylmethyl)amino]ethyl] [(4-nitrophenyl)sulfonyl]amino]-2-(6-hydroxy-3-oxo-3H-xanthen-9-yl)benzoyl]-4-piperidyl]-1-oxobutoxy]-2,5-dioxo- (9CI)
 MF C63 H49 N7 O15 S2
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT



PAGE 1-A

PAGE 1-B

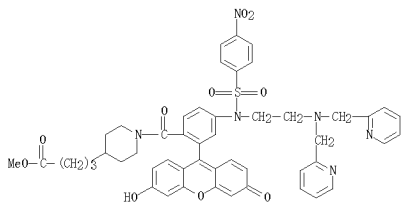


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 145:309590

L3 ANSWER 10 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 909259-04-7 REGISTRY
 ED Entered STN: 02 Oct 2006
 CN 4-Piperidinebutanoic acid, 1-[4-[[2-[bis(2-pyridinylmethyl)amino]ethyl] [(4-nitrophenyl)sulfonyl]amino]-2-(6-hydroxy-3-oxo-3H-xanthen-9-yl)benzoyl]-, methyl ester (CA INDEX NAME)
 MF C50 H48 N6 O10 S
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT

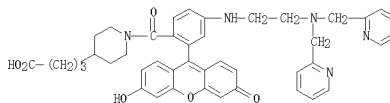


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 145:309590

L3 ANSWER 9 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 909259-09-2 REGISTRY
 ED Entered STN: 02 Oct 2006
 CN 4-Piperidinebutanoic acid, 1-[4-[[2-[bis(2-pyridinylmethyl)amino]ethyl]amino]-2-(6-hydroxy-3-oxo-3H-xanthen-9-yl)benzoyl]- (CA INDEX NAME)
 MF C43 H43 N5 O6
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

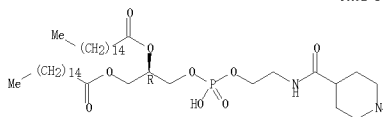
REFERENCE 1: 146:375083

REFERENCE 2: 145:309590

L3 ANSWER 11 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 908371-22-2 REGISTRY
 ED Entered STN: 28 Sep 2006
 CN Hexadecanoic acid, (1R)-1-[[[2-[[[1-[4,6-diamino-2-(3,6-dihydroxy-9H-xanthen-9-yl)benzoyl]-4-piperidinyl]carbonyl]amino]ethoxy]hydroxyphosphinyloxy]methyl]-1,2-ethanediyl ester (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C63 H97 N4 O13 P
 SR CA
 LC STN Files: CA, CAPLUS

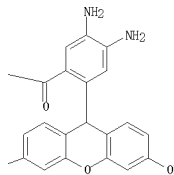
Absolute stereochemistry.

PAGE 1-A



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PAGE 1-B



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

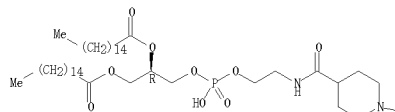
1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 145:288088

L3 ANSWER 12 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 908371-21-1 REGISTRY
 ED Entered STN: 25 Sep 2006
 CN Hexadecanoic acid, (1R)-1-[[[2-[[[1-[4-amino-2-(3,6-dihydroxy-9H-xanthen-9-yl)-5-nitrobenzoyl]-4-piperidinyl]carbonyl]amino]ethoxy]hydroxyphosphinyloxy]methyl]-1,2-ethanediyl ester (9CI) (CA INDEX NAME)
 FS STEREO:BARCH
 MF C63 H96 N4 O15 P
 SR CA
 LC STN Files: CA, CAPLUS

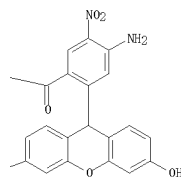
Absolute stereochemistry.

PAGE 1-A



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PAGE 1-B

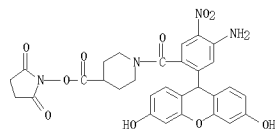


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 145:288088

L3 ANSWER 13 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 908371-20-0 REGISTRY
 ED Entered STN: 25 Sep 2006
 CN 4-Piperidinecarboxylic acid, 1-[4-amino-2-(3,6-dihydroxy-9H-xanthen-9-yl)-5-nitrobenzoyl]-, 2,5-dioxo-1-pyrrolidinyl ester (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Piperidine, 1-[4-amino-2-(3,6-dihydroxy-9H-xanthen-9-yl)-5-nitrobenzoyl]-4-[[[2,5-dioxo-1-pyrrolidinyl]oxy]carbonyl]- (9CI)
 MF C30 H26 N4 O10
 SR CA
 LC STN Files: CA, CAPLUS

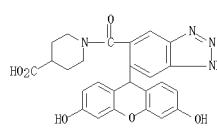


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 145:288088

L3 ANSWER 14 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 908371-19-7 REGISTRY
 ED Entered STN: 25 Sep 2006
 CN 4-Piperidinecarboxylic acid, 1-[[[5-(3,6-dihydroxy-9H-xanthen-9-yl)-1H-benzotriazol-6-yl]carbonyl]- (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 4-Piperidinecarboxylic acid, 1-[[[6-(3,6-dihydroxy-9H-xanthen-9-yl)-1H-benzotriazol-5-yl]carbonyl]- (9CI)
 MF C26 H22 N4 O6
 SR CA
 LC STN Files: CA, CAPLUS

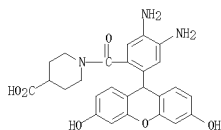


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 145:288088

L3 ANSWER 15 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 908371-18-6 REGISTRY
 ED Entered STN: 25 Sep 2006
 CN 4-Piperidinecarboxylic acid, 1-[4,5-diamino-2-(3,6-dihydroxy-9H-xanthen-9-yl)benzoyl]- (CA INDEX NAME)
 MF C26 H25 N3 O6
 SR CA
 LC STN Files: CA, CAPLUS

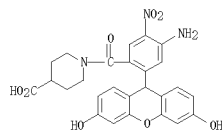


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 145:288088

L3 ANSWER 16 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 908371-17-5 REGISTRY
 ED Entered STN: 25 Sep 2006
 CN 4-Piperidinecarboxylic acid, 1-[4-amino-2-(3,6-dihydroxy-9H-xanthen-9-yl)-5-nitrobenzoyl]- (CA INDEX NAME)
 MF C26 H23 N3 O6
 SR CA
 LC STN Files: CA, CAPLUS

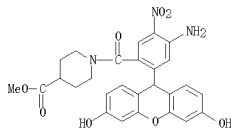


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 145:288088

L3 ANSWER 17 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 908371-16-4 REGISTRY
 ED Entered STN: 25 Sep 2006
 CN 4-Piperidinecarboxylic acid, 1-[4-amino-2-(3,6-dihydroxy-9H-xanthen-9-yl)-5-nitrobenzoyl]-, methyl ester (CA INDEX NAME)
 MF C27 H25 N3 O6
 SR CA
 LC STN Files: CA, CAPLUS



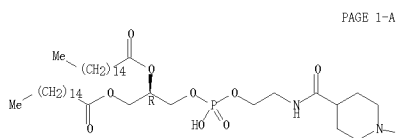
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 145:288088

L3 ANSWER 18 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 908371-15-3 REGISTRY
 ED Entered STN: 25 Sep 2006
 CN Hexadecanoic acid, (1R)-1-[[[2-[[[1-[2-(3,6-dihydroxy-9H-xanthen-9-yl)benzoyl]-4-piperidinyl]carbonyl]amino]ethoxy]hydroxyphosphinyl]oxy]methyl]-1,2-ethanediyl ester (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C63 H96 N2 O13 P
 SR CA
 LC STN Files: CA, CAPLUS

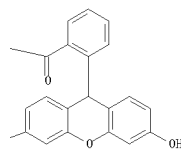
Absolute stereochemistry.



PAGE 1-A

HO

PAGE 1-B

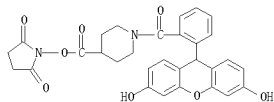


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 145:288088

L3 ANSWER 19 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 908371-14-2 REGISTRY
 ED Entered STN: 25 Sep 2006
 CN 4-Piperidinecarboxylic acid, 1-[2-(3,6-dihydroxy-9H-xanthen-9-yl)benzoyl]-
 2,5-dioxo-1-pyrrolidinyl ester (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Piperidine, 1-[2-(3,6-dihydroxy-9H-xanthen-9-yl)benzoyl]-4-[[2,5-dioxo-1-
 pyrrolidinyl)oxy]carbonyl]- (9CI)
 MF C30 H26 N2 O8
 SR CA
 LC STN Files: CA, CAPLUS

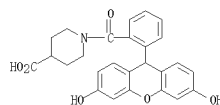


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 145:288088

L3 ANSWER 20 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 908371-13-1 REGISTRY
 ED Entered STN: 25 Sep 2006
 CN 4-Piperidinecarboxylic acid, 1-[2-(3,6-dihydroxy-9H-xanthen-9-yl)benzoyl]-
 (CA INDEX NAME)
 MF C26 H23 N O6
 SR CA
 LC STN Files: CA, CAPLUS

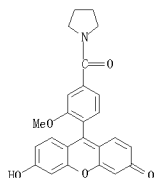


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 145:288088

L3 ANSWER 21 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 876752-73-7 REGISTRY
 ED Entered STN: 14 Mar 2006
 CN 3H-Xanthen-3-one, 6-hydroxy-9-[2-methoxy-4-(1-pyrrolidinylcarbonyl)phenyl]-
 (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Pyrrolidine, 1-[4-(6-hydroxy-3-oxo-3H-xanthen-9-yl)-3-methoxybenzoyl]-
 (9CI)
 MF C25 H21 N O5
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT

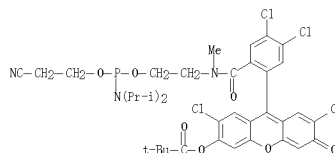


2 REFERENCES IN FILE CA (1907 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 146:164648

REFERENCE 2: 144:234605

L3 ANSWER 22 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 861143-25-1 REGISTRY
 ED Entered STN: 19 Aug 2006
 CN Propanoic acid, 2,2-dimethyl-, 9-[2-[[[2-[[[bis(1-methylethyl)amino](2-cyanoethoxy)phosphino]oxylethyl]methylamino]carbonyl]-4,5-dichlorophenyl]-2,7-dichloro-3-oxo-3H-xanthen-6-yl ester (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Propanoic acid, 2,2-dimethyl-, 9-[2-[6-[bis(1-methylethyl)amino]-9-cyano-2-methyl-1-oxo-5,7-dioxo-2-aza-6-phosphanon-1-yl]-4,5-dichlorophenyl]-2,7-dichloro-3-oxo-3H-xanthen-6-yl ester (9CI)
 MF C37 H40 Cl4 N3 O7 P
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL



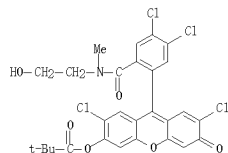
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 149:334040

REFERENCE 2: 143:169183

L3 ANSWER 23 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 861143-24-0 REGISTRY
 ED Entered STN: 19 Aug 2005
 CN Propanoic acid, 2,2-dimethyl-, 2,7-dichloro-9-[4,5-dichloro-2-[[[(2-hydroxyethyl)methylamino]carbonyl]phenyl]-3-oxo-3H-xanthen-6-yl] ester (CA INDEX NAME)
 MF C28 H23 Cl4 N O6
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL



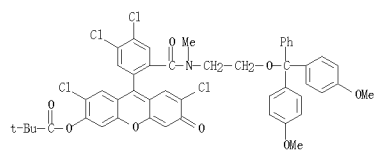
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 149:334040

REFERENCE 2: 143:169183

L3 ANSWER 24 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 861143-23-9 REGISTRY
 ED Entered STN: 19 Aug 2005
 CN Propanoic acid, 2,2-dimethyl-, 9-[2-[[[2-bis(4-methoxyphenyl)phenylmethoxy]ethyl]methylamino]carbonyl]-4,5-dichlorophenyl]-2,7-dichloro-3-oxo-3H-xanthen-6-yl ester (CA INDEX NAME)
 MF C49 H41 Cl4 N O8
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL



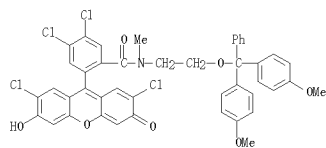
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 149:334040

REFERENCE 2: 143:169183

L3 ANSWER 25 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 861143-22-8 REGISTRY
 ED Entered STN: 19 Aug 2005
 CN Benzamide, N-[2-bis(4-methoxyphenyl)phenylmethoxy]ethyl]-4,5-dichloro-2-(2,7-dichloro-6-hydroxy-3-oxo-3H-xanthen-9-yl)-N-methyl- (CA INDEX NAME)
 MF C44 H33 Cl4 N O7
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL



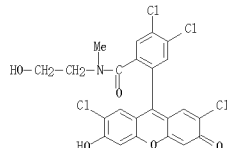
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 149:334040

REFERENCE 2: 143:169183

L3 ANSWER 26 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 861143-20-6 REGISTRY
 ED Entered STN: 19 Aug 2005
 CN Benzamide, 4,5-dichloro-2-(2,7-dichloro-6-hydroxy-3-oxo-3H-xanthen-9-yl)-N-(2-hydroxyethyl)-N-methyl- (CA INDEX NAME)
 MF C28 H15 Cl4 N O6
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

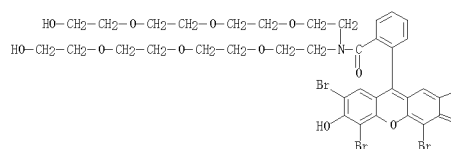
2 REFERENCES IN FILE CA (1907 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 149:334040

REFERENCE 2: 143:169183

L3 ANSWER 27 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
RN 775535-49-4 REGISTRY
ED Entered STN: 07 Nov 2004
CN Benzamide, N,N-bis[2-[2-(2-hydroxyethoxy)ethoxy]ethyl]-2-(
(2,4,5,7-tetrabromo-6-hydroxy-3-oxo-3H-xanthen-9-yl)- (CA INDEX NAME)
MF C36 H41 Br4 N O12
CI COM
SR CA

PAGE 1-A



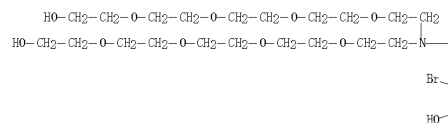
PAGE 1-B



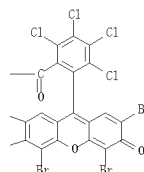
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 28 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
RN 758641-76-8 REGISTRY
ED Entered STN: 08 Oct 2004
CN Benzamide, 2,3,4,5-tetrachloro-N,N-bis(14-hydroxy-3,6,9,12-tetraoxatetradec-1-yl)-6-(2,4,5,7-tetrabromo-6-hydroxy-3-oxo-3H-xanthen-9-yl)- (CA INDEX NAME)
MF C40 H45 Br4 Cl4 N O14
CI COM
SR CA

PAGE 1-A

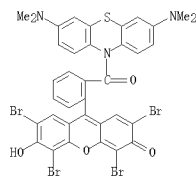


PAGE 1-B



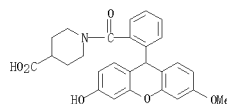
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 29 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
RN 744143-97-3 REGISTRY
ED Entered STN: 13 Sep 2004
CN 3H-Xanthen-3-one, 9-[2-[[3,7-bis(dimethylamino)-10H-phenothiazin-10-yl]carbonyl]phenyl]-2,4,5,7-tetrabromo-6-hydroxy- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 10H-Phenothiazine-3,7-diamine, N,N,N',N'-tetramethyl-10-[2-(2,4,5,7-tetrabromo-6-hydroxy-3-oxo-3H-xanthen-9-yl)benzoyl]- (9CI)
MF C36 H25 Br4 N3 O4 S
CI COM
SR CA



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 30 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
RN 480067-93-4 REGISTRY
ED Entered STN: 22 Jan 2003
CN 4-Piperidinecarboxylic acid, 1-[2-(3-hydroxy-6-methoxy-9H-xanthen-9-yl)benzoyl]- (CA INDEX NAME)
MF C27 H25 N O6
SR CA
LC STN Files: CA, CAPLUS, CASREACT

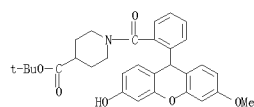


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:74690

L3 ANSWER 31 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 480067-88-7 REGISTRY
 ED Entered STN: 22 Jan 2003
 CN 4-Piperidinecarboxylic acid, 1-[2-(3-hydroxy-6-methoxy-9H-xanthen-9-yl)benzoyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)
 MF C31 H33 N O6
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT

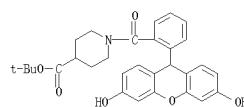


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:74690

L3 ANSWER 32 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 480067-81-0 REGISTRY
 ED Entered STN: 22 Jan 2003
 CN 4-Piperidinecarboxylic acid, 1-[2-(3,6-dihydroxy-9H-xanthen-9-yl)benzoyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)
 MF C30 H31 N O6
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT

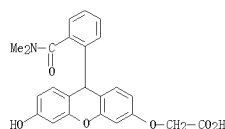


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:74690

L3 ANSWER 33 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 480067-76-3 REGISTRY
 ED Entered STN: 22 Jan 2003
 CN Acetic acid, 2-[[9-[2-[(dimethylamino)carbonyl]phenyl]-6-hydroxy-9H-xanthen-3-yl]oxy]- (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Acetic acid, [[9-[2-[(dimethylamino)carbonyl]phenyl]-6-hydroxy-9H-xanthen-3-yl]oxy]- (9CI)
 MF C24 H21 N O6
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT

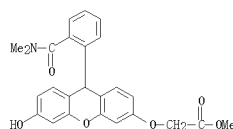


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:74690

L3 ANSWER 34 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 480067-71-8 REGISTRY
 ED Entered STN: 22 Jan 2003
 CN Acetic acid, 2-[[9-[2-[(dimethylamino)carbonyl]phenyl]-6-hydroxy-9H-xanthen-3-yl]oxy]-, methyl ester (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Acetic acid, [[9-[2-[(dimethylamino)carbonyl]phenyl]-6-hydroxy-9H-xanthen-3-yl]oxy]-, methyl ester (9CI)
 MF C25 H23 N O6
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT

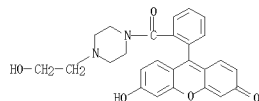


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:74690

L3 ANSWER 35 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 455312-79-5 REGISTRY
 ED Entered STN: 26 Sep 2002
 CN 3H-Xanthen-3-one, 6-hydroxy-9-[2-[[4-(2-hydroxyethyl)-1-piperazinyl]carbonyl]phenyl]- (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 1-Piperazineethanol, 4-[2-(6-hydroxy-3-oxo-3H-xanthen-9-yl)benzoyl]- (9CI)
 MF C26 H24 N2 O5
 SR CA
 LC STN Files: CA, CAPLUS

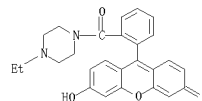


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 137:213089

L3 ANSWER 36 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 455312-77-3 REGISTRY
 ED Entered STN: 26 Sep 2002
 CN 3H-Xanthen-3-one, 9-[2-[[4-ethyl-1-piperazinyl]carbonyl]phenyl]-6-hydroxy- (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Piperazine, 1-ethyl-4-[2-(6-hydroxy-3-oxo-3H-xanthen-9-yl)benzoyl]- (9CI)
 MF C26 H24 N2 O4
 SR CA
 LC STN Files: CA, CAPLUS

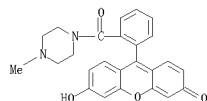


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 137:213089

L3 ANSWER 37 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 455312-75-1 REGISTRY
 ED Entered STN: 26 Sep 2002
 CN 3H-Xanthen-3-one, 6-hydroxy-9-[2-[[4-methyl-1-piperazinyl]carbonyl]phenyl]- (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Piperazine, 1-[2-(6-hydroxy-3-oxo-3H-xanthen-9-yl)benzoyl]-4-methyl- (9CI)
 MF C25 H22 N2 O4
 SR CA
 LC STN Files: CA, CAPLUS

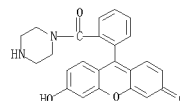


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 137:213089

L3 ANSWER 38 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 455312-73-9 REGISTRY
 ED Entered STN: 26 Sep 2002
 CN 3H-Xanthen-3-one, 6-hydroxy-9-[2-(1-piperazinylcarbonyl)phenyl]- (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Piperazine, 1-[2-(6-hydroxy-3-oxo-3H-xanthen-9-yl)benzoyl]- (9CI)
 MF C24 H20 N2 O4
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1907 TO DATE)
 3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 148:579694

REFERENCE 2: 147:271848

REFERENCE 3: 137:213089

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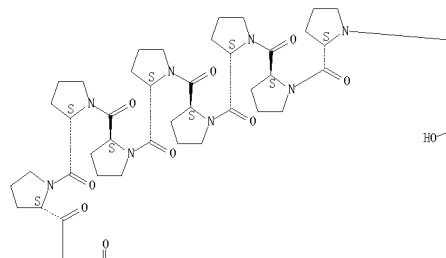
L3 ANSWER 59 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
RN 452908-78-0 REGISTRY
CN Entered STN: 18 Dec 2002
  L-Proline, 1-[2-[6-hydroxy-3-oxo-5H-xanthen-9-yl]benzoyl]-L-prolyl-L-
  -prolyl-L-prolyl-L-prolyl-L-prolyl-L-prolyl-L-prolyl-L-prolyl-L-prolyl-L-
  -prolyl-L-prolyl-L-prolyl-L-prolyl-L-prolyl-L-prolyl-L-prolyl-L-prolyl-L-
FS PROTEIN SEQUENCE: STEREOSARCH
MF C90 H110 N14 O19
SR
LC STN Files: CA, CAPLUS

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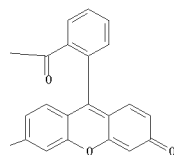
****RELATED SEQUENCES AVAILABLE WITH SEQLINK****

Absolute stereochemistry.

PAGE 1-A



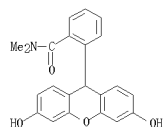
PAGE 1-B



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L3 ANSWER 40 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
RN 442151-58-8 REGISTRY
ED Entered STN: 02 Aug 2002
CN Benzamide, 2-(3,6-dihydroxy-9H-xanthen-9-yl)-N,N-dimethyl- (CA INDEX
NM NAME)
MF 22 HI9 N 04
SR CA
LC STN Files: CA, CAPLUS, CASREACT, USPATFULL

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PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

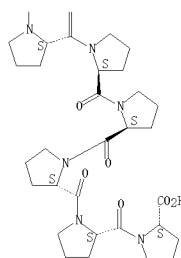
2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:74690

REFERENCE 2: 137:95164

L3 ANSWER 39 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN (Continued)

PAGE 2-A

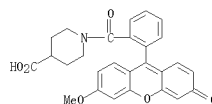


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 137:201598

L3 ANSWER 41 OF 54 REGISTRY COPYRIGHT 2008 ACS ON STN
 CN 442151-56-6 REGISTRY
 ED Entered STN: 02 Aug 2002
 RN 4-Piperidin-2-carboxylic acid, 1-[2-(6-methoxy-3-oxo-3H-xanthen-9-yl)benzoyl]- (CA INDEX NAME)
 MF C27 H23 N O6
 SR CA
 LC STN Files: CA, CAPLUS, CHEMCATS, USPATFULL

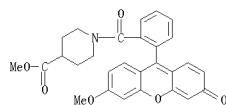


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 137:95164

L3 ANSWER 42 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
RN 442151-54-4 REGISTRY
ED Entered STN: 02 Aug 2002
CN 4-Piperidinecarboxylic acid, 1-[2-(6-methoxy-3-oxo-5H-xanthen-9-yl)benzoyl]-, methyl ester (CA INDEX NAME)
MF C28 H26 N O6
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

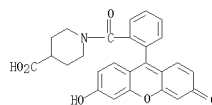


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 137:95164

L3 ANSWER 43 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
RN 442151-52-2 REGISTRY
ED Entered STN: 02 Aug 2002
CN 4-Piperidinecarboxylic acid, 1-[2-(6-hydroxy-3-oxo-5H-xanthen-9-yl)benzoyl]- (CA INDEX NAME)
MF C26 H21 N O6
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

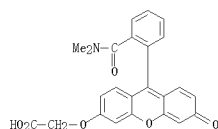


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 137:95164

L3 ANSWER 44 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
RN 442151-50-0 REGISTRY
ED Entered STN: 02 Aug 2002
CN Acetic acid, 2-[[9-[2-[(dimethylamino)carbonyl]phenyl]-3-oxo-5H-xanthen-6-yl]oxyl]- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Acetic acid, [[9-[2-[(dimethylamino)carbonyl]phenyl]-3-oxo-5H-xanthen-6-yl]oxyl]- (9CI)
MF C24 H19 N O6
SR CA
LC STN Files: CA, CAPLUS, CHEMCATS, USPATFULL

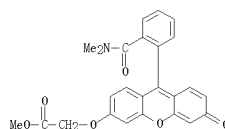


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 137:95164

L3 ANSWER 45 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
RN 442151-48-6 REGISTRY
ED Entered STN: 02 Aug 2002
CN Acetic acid, 2-[[9-[2-[(dimethylamino)carbonyl]phenyl]-3-oxo-5H-xanthen-6-yl]oxyl]-, methyl ester (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Acetic acid, [[9-[2-[(dimethylamino)carbonyl]phenyl]-3-oxo-5H-xanthen-6-yl]oxyl]-, methyl ester (9CI)
MF C25 H21 N O6
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

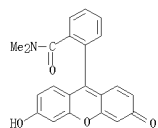


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 137:95164

L3 ANSWER 46 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 442151-46-4 REGISTRY
 ED Entered STN: 02 Aug 2002
 CN Benzamide, 2-(6-hydroxy-3-oxo-3H-xanthen-9-yl)-N,N-dimethyl- (CA INDEX NAME)
 MF C22 H17 N O4
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL

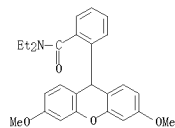


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 137:95164

L3 ANSWER 47 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 110985-62-1 REGISTRY
 ED Entered STN: 31 Oct 1987
 CN Benzamide, 2-(3,6-dimethoxy-9H-xanthen-9-yl)-N,N-diethyl- (CA INDEX NAME)
 MF C26 H27 N O4
 SR CA
 LC STN Files: CA, CAPLUS

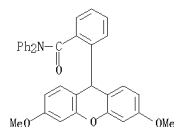


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 107:187437

L3 ANSWER 48 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 110943-63-0 REGISTRY
 ED Entered STN: 24 Oct 1987
 CN Benzamide, 2-(3,6-dimethoxy-9H-xanthen-9-yl)-N,N-diphenyl- (CA INDEX NAME)
 MF C34 H27 N O4
 SR CA
 LC STN Files: CA, CAPLUS

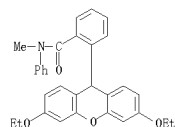


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 107:187437

L3 ANSWER 49 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 110943-60-7 REGISTRY
 ED Entered STN: 24 Oct 1987
 CN Benzamide, 2-(3,6-diethoxy-9H-xanthen-9-yl)-N-methyl-N-phenyl- (CA INDEX NAME)
 MF C31 H29 N O4
 SR CA
 LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

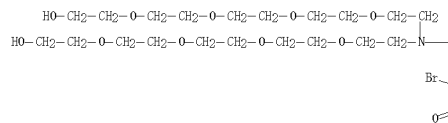
REFERENCE 1: 107:187437

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L3 ANSWER 60 OF 54:REGISTRY COPYRIGHT 2008 ACS on STN
RN 99636-20-9 REGISTRY
ED Entered STN: 16 Nov 1984
CN Benzanide, 2,3,4,5-tetrachloro-N-bis(14-hydroxy-3,6,9,12-
tetraoxatetradecyl)-6-(2,4,5,7-tetrabromo-6-hydroxy-8-oxo-3H-xanthen-9-
yl)-, sodium salt (1:1) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Benzanide, 2,3,4,5-tetrachloro-N-bis(14-hydroxy-3,6,9,12-
tetraoxatetradecyl)-6-(2,4,5,7-tetrabromo-6-hydroxy-8-oxo-3H-xanthen-9-
yl)-, monosodium salt (9CI)
MF C40 H45 Br4 Cl4 N4 O14 . Na
LC STN FILES:
CRN (758641-76-8)

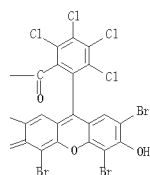
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PAGE 1-A



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PAGE 1-B



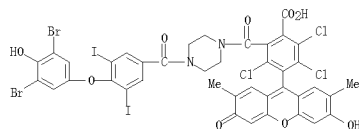
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 100:158350

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L3 ANSWER 52 OF 54 REGISTRY COPYRIGHT 2006 ACS on STN
RN 85000-75-1 REGISTRY
ED Entered STN: 16 Nov 1984
CN Benzoic acid, 2,3,5-trichloro-6-[[4-[4-(3,5-dibromo-4-hydroxyphenoxy)-3,5-
diiodobenzoyl]-1-piperazinyl]carbonyl]-4-(6-hydroxy-2,7-dimethyl-3-oxo-3H-
xanthen-9-yl)- (CA INDEX NAME)
MC C40 H25 Br2 Cl3 I2 N2 O9
LF STN Files: CA, CAPLUS, CASREACT, USPATFULL

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PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

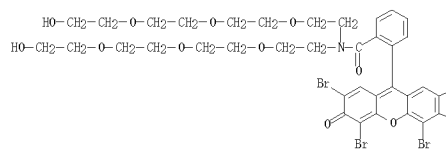
REFERENCE 1: 97:121173

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L3 ANSWER 51 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
RN R919-47-1 REGISTRY
ED Entered STN: 16 Nov 1984
CN Benzamide, N-bis[2-[2-[(2-(2-hydroxyethoxy)ethoxy)ethoxy]ethyl]-2-
   (4,5,7-tribromo-6-hydroxy-3-oxo-3H-xanthen-9-yl)], sodium salt (1:1)
   (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Benzamide, N-bis[2-[2-[(2-[(2-(2-hydroxyethoxy)ethoxy)ethyl]-2-
   (4,5,7-tribromo-6-hydroxy-3-oxo-3H-xanthen-9-yl)], monosodium salt
   (9C1)
MF C36 H41 Br4 N O12 . Na
LC STN Files: CA, CAPLUS
CRN (775535-49-4)

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PAGE 1-A



● Na

PAGE 1-B

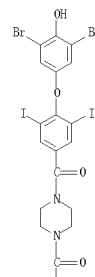


1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

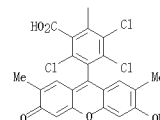
REFERENCE 1: 100:158350

L3 ANSWER 53 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
RN 50000-72-0 REGISTRY
ED Entered STN: 16 Nov 1984
CN Benzoic acid, 2,4,5-trichloro-6-[[4-[4-(3,5-dimethoxyphenoxy)-3,5-
diiodobenzoyl]-1-piperazinyl]carbonyl]-3-(6-hydroxy-2,7-dimethyl-3-oxo-3H-
xanthen-9-yl)- (CA INDEX NAME)
MC C40 H25 Br2 Cl3 I2 N2 O9
LF STN Files: CA, CAPLUS, CASREACT, USPATFULL

PAGE 1-A



PAGE 2-A

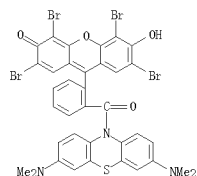


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 97:121173

L3 ANSWER 54 OF 54 REGISTRY COPYRIGHT 2008 ACS on STN
RN 52946-21-1 REGISTRY
ED Entered STN: 16 Nov 1984
CN 10H-Phenothiazine-3,7-diamine, N,N,N',N'-tetramethyl-10-[2-(2,4,5,7-tetrabromo-6-hydroxy-3-oxo-3H-xanthen-9-yl)benzoyl]-, sodium salt (9CI)
(CA INDEX NAME)
MF C36 H25 Br4 N3 O4 S . Na
LC STN Files: CA, CAPLUS
CRN (744143-97-3)



● Na

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 81:74806

=> fil capl
FILE 'CAPLUS' ENTERED AT 10:10:32 ON 06 NOV 2008
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FILE LAST UPDATED: 4 Nov 2008 (20081104/ED)

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<http://www.cas.org/legal/infopolicy.html>
'FIONA' IS DEFAULT FORMAT FOR 'CAPLUS' FILE

=> s l3
L4 19 L3

=> d 1-19 bib abs hitstr

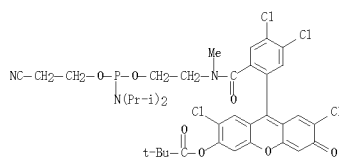
L4 ANSWER 1 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN
 AN 2008:1071173 CAPLUS
 DN 149:334040
 TI Functionalized xanthene dyes used for formation conjugates with biomolecules, drug and toxins
 IN Reddington, Mark; Lytle, Matt
 PA Biosearch Technologies, Inc., USA
 SO U.S. Pat. Appl. Publ., 58pp., Cont. of U.S. Ser. No. 824,175.
 CODEN: USXXCO
 DT Patent
 LA English
 FAN CNT 2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 20080214811	A1	20080904	US 2008-36926	20080225
US 20050170363	A1	20050804	US 2004-824175	20040413
US 7344701	B2	20080318		
PRAI US 2004-541686P	P	20040203		
US 2004-824175	A1	20040413		
WO 2005-US627	A	20050204		

AB Optionally functionalized xanthene dyes are used for formation conjugates with biomols., drugs, toxins and the like. Thus, Rhodamine 6G N-methylaminomethanol-linked nucleoside was used for preparation controlled pore glass for solid phase oligonucleotide synthesis.

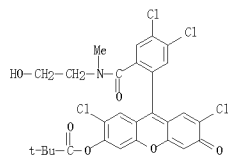
IT 861143-25-1P
 RL: ARG (Analytical reagent use); IMF (Industrial manufacture); ANST (Analytical study); PREP (Preparation); USES (Uses)
 (functionalized xanthene dyes used for formation conjugates with biomols., drug and toxins)

RN 861143-25-1 CAPLUS
 CN Propanoic acid, 2,2-dimethyl-, 9-[2-[[[2-[[[bis(1-methylethylamino)](2-cyanoethoxy)phosphino]oxy]ethyl]methylanino]carbonyl]-4,5-dichlorophenyl]-2,7-dichloro-3-oxo-3H-xanthen-6-yl ester (CA INDEX NAME)

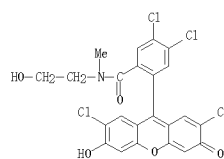


IT 861143-20-6P 861143-22-8P 861143-23-9P
 861143-24-0P
 RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
 (functionalized xanthene dyes used for formation conjugates with biomols., drug and toxins)
 RN 861143-20-6 CAPLUS
 CN Benzamide, 4,5-dichloro-2-(2,7-dichloro-6-hydroxy-3-oxo-3H-xanthen-9-yl)-N-(2-hydroxyethyl)-N-methyl- (CA INDEX NAME)

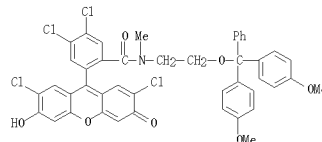
L4 ANSWER 1 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



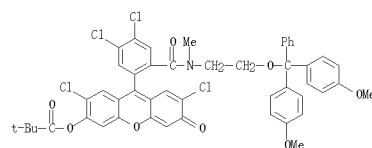
L4 ANSWER 1 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 861143-22-8 CAPLUS
 CN Benzamide, N-[2-[bis(4-methoxyphenyl)phenylmethoxy]ethyl]-4,5-dichloro-2-(2,7-dichloro-6-hydroxy-3-oxo-3H-xanthen-9-yl)-N-methyl- (CA INDEX NAME)



RN 861143-23-9 CAPLUS
 CN Propanoic acid, 2,2-dimethyl-, 9-[2-[[[2-[[[bis(1-methylethylamino)](2-cyanoethoxy)phosphino]oxy]ethyl]methylanino]carbonyl]-4,5-dichlorophenyl]-2,7-dichloro-3-oxo-3H-xanthen-6-yl ester (CA INDEX NAME)



RN 861143-24-0 CAPLUS
 CN Propanoic acid, 2,2-dimethyl-, 2,7-dichloro-9-[4,5-dichloro-2-[[[2-hydroxyethyl]methylanino]carbonyl]phenyl]-3-oxo-3H-xanthen-6-yl ester (CA INDEX NAME)

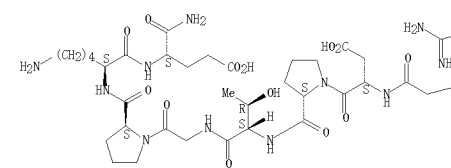
L4 ANSWER 2 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2008:452147 CAPLUS
 DN 149:47217
 TI Using peptides to study the interaction between the p53 tetramerization domain and HIV-1 Tat
 AU Gabizon, Ronen; Mor, Michal; Rosenberg, Masha M.; Britan, Lena; Hayouka, Zvi; Kotler, Moshe; Shalev, Deborah E.; Friedler, Assaf
 CS Institute of Chemistry, The Hebrew University of Jerusalem, Jerusalem, 91904, Israel
 SO Biopolymers (2008), 90(2), 105-116
 CODEN: BIFMAA; ISSN: 0006-3525
 PB John Wiley & Sons, Inc.
 DT Journal
 LA English
 AB Peptides are valuable tools for studying protein-protein interactions, especially in cases of isolated protein domains and natively unfolded proteins. Here, we used peptides to quant. characterize the interaction between the natively unfolded HIV-1 Tat protein and the tetramerization domain of the cellular tumor suppressor protein p53. We used peptide mapping, fluorescence anisotropy, and NMR spectroscopy to perform a detailed structural and biophys. characterization of the interaction between the two proteins and elucidate its mol. mechanism, which have so far been studied using cell-based methods. We show that the p53 tetramerization domain, p53(326-355), binds directly to residues 1-35 and 47-57 in Tat. We have characterized the interaction between p53(326-355) and Tat(47-57) in detail. The p53 residues that are mainly involved in binding to Tat(47-57) are E343 and E349, which bind to the pos. charged arginine-rich motif of Tat by a partly electrostatic mechanism. All oligomerization states of p53(326-355) bind Tat(47-57) without inhibiting p53 tetramerization, since the residues in p53(326-355) that bind Tat(47-57) face away from the tetramerization interface. We conclude that p53 is able to bind Tat as a transcriptionally active tetramer.

IT 1029915-78-3
 RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
 (using peptides to study the interaction between the p53 tetramerization domain and HIV-1 Tat)
 RN 1029915-78-3 CAPLUS
 CN L-alpha-glutamine, 1-[2-(6-hydroxy-3-oxo-3H-xanthen-9-yl)benzoyl]-L-prolyl-L-threonine-L-serine-L-glutaminyl-L-serine-L-arginylglycyl-L-aspartyl-L-prolyl-L-threonylglycyl-L-prolyl-L-lysyl- (CA INDEX NAME)

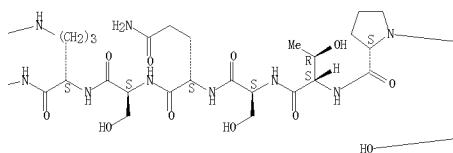
Absolute stereochemistry.

PAGE 1-A

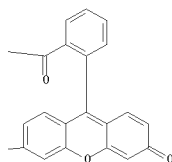


L4 ANSWER 2 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

PAGE 1-B



PAGE 1-C

RE.CNT 45 THERE ARE 45 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2008:410352 CAPLUS

DN 148:579694

TI A FRET-based fluorogenic phosphine for live-cell imaging with the Staudinger ligation

AU Hanzauer, Matthew J.; Bertozzi, Carolyn R.

CS Departments of Chemistry and Molecular and Cell Biology and Howard Hughes Medical Institute, University of California, Berkeley, CA, 94720, USA

S0 Angewandte Chemie, International Edition (2008), 47(13), 2394-2397

CODEN: ACIEPG; ISSN: 1433-7851

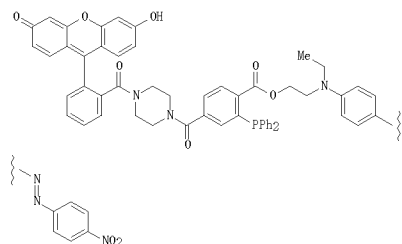
Wiley-VCH Verlag GmbH & Co. KGaA

Journal

LA English

OS CASREACT 148:579694

GI



I

AB A fluorogenic phosphine (I) based on a FRET-quenching mechanism allows for live-cell imaging of azido sugars by the Staudinger ligation. This design strategy can accommodate numerous fluorophores and complementary quenchers, enabling extension to multicolor imaging.

IT 1027211-39-7P

RL: ARG (Analytical reagent use); BUU (Biological use, unclassified); PRP (Properties); SPN (Synthetic preparation); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)

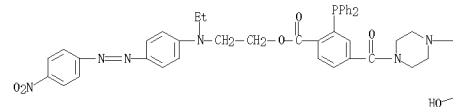
(FRET-based fluorogenic phosphine for live-cell imaging of azido sugars with Staudinger ligation)

RN 1027211-39-7 CAPLUS

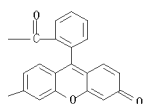
CN Benzoic acid, 2-(diphenylphosphino)-4-[[4-[2-(6-hydroxy-3-oxo-3H-xanthen-9-yl)benzoyl]-1-piperazinyl]carbonyl]-, 2-[ethyl[4-[2-(4-nitrophenyl)diazanyl]phenyl]amino]ethyl ester (CA INDEX NAME)

L4 ANSWER 3 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

PAGE 1-A



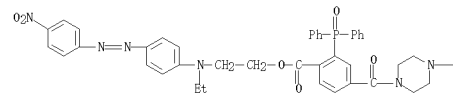
PAGE 1-B

IT 1027211-45-5P
RL: BYP (Byproduct); PRP (Properties); PREP (Preparation)
(FRET-based fluorogenic phosphine for live-cell imaging of azido sugars with Staudinger ligation)

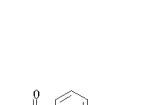
RN 1027211-45-5 CAPLUS

CN Benzoic acid, 2-(diphenylphosphinyl)-4-[[4-[2-(6-hydroxy-3-oxo-3H-xanthen-9-yl)benzoyl]-1-piperazinyl]carbonyl]-, 2-[ethyl[4-[2-(4-nitrophenyl)diazanyl]phenyl]amino]ethyl ester (CA INDEX NAME)

PAGE 1-A



PAGE 1-B

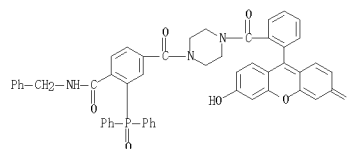
IT 1027211-46-6P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)

L4 ANSWER 3 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

(FRET-based fluorogenic phosphine for live-cell imaging of azido sugars with Staudinger ligation)

RN 1027211-46-6 CAPLUS

CN Benzamide, 2-(diphenylphosphinyl)-4-[[4-[2-(6-hydroxy-3-oxo-3H-xanthen-9-yl)benzoyl]-1-piperazinyl]carbonyl]-N-(phenylmethyl)- (CA INDEX NAME)

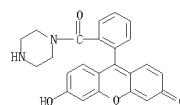


IT 455312-73-9

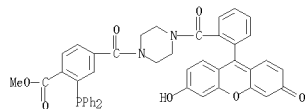
RL: RCT (Reactant); RACT (Reactant or reagent)
(FRET-based fluorogenic phosphine for live-cell imaging of azido sugars with Staudinger ligation)

RN 455312-73-9 CAPLUS

CN 3H-Xanthen-3-one, 6-hydroxy-9-[2-(1-piperazinylcarbonyl)phenyl]- (CA INDEX NAME)

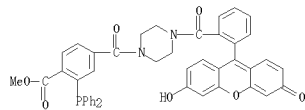
RE.CNT 50 THERE ARE 50 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2008:302915 CAPLUS
DN 148:511223
TI Identification of palmitoylated mitochondrial proteins using a
bio-orthogonal azido-palmitate analogue
AU Kostluk, Morris A.; Corvi, Maria M.; Keller, Bernd O.; Plummer, Greg;
Prescher, Jennifer A.; Hangauer, Matthew J.; Bertozzi, Carolyn R.;
Rajaiiah, Gurram; Falck, John R.; Berthiaume, Luc G.
CS Department of Cell Biology, Faculty of Medicine and Dentistry, University
of Alberta, Edmonton, AB, Can.
SO FASEB Journal (2008), 22(3), 721-732
CODEN: FAJOCG; ISSN: 0895-6638
PB Federation of American Societies for Experimental Biology
DT Journal
LA English
OS CASREACT 148:511223
AB Increased levels of circulating saturated free fatty acids, such as palmitate,
have been implicated in the etiol. of type II diabetes and cancer. In
addition to being a constituent of glycerolipids and a source of energy,
palmitate also covalently attaches to numerous cellular proteins via a
process named palmitoylation. Recognized for its roles in membrane
tethering, cellular signaling, and protein trafficking, palmitoylation is
also emerging as a potential regulator of metabolism. Indeed, we showed
previously that the acylation of two mitochondrial proteins at their
active site cysteine residues result in their inhibition. Herein, we
sought to identify other palmitoylated proteins in mitochondria using a
nonradioactive bio-orthogonal azido-palmitate analog that can be
selectively derivatized with various tagged triarylphosphines. Our
results show that, like palmitate, incorporation of azido-palmitate
occurred on mitochondrial proteins via thioester bonds at sites that could
be competed out by palmitoyl-CoA. Using this method, we identified 21
putative palmitoylated proteins in the rat liver mitochondrial matrix, a
compartment not recognized for its content in palmitoylated proteins, and
confirmed the palmitoylation of newly identified mitochondrial
3-hydroxy-3-methylglutaryl-CoA synthase. We postulate that covalent
modification and perhaps inhibition of various mitochondrial enzymes by
palmitoyl-CoA could lead to the metabolic impairments found in
obesity-related diseases.
IT 946062-51-7
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(identification of palmitoylated mitochondrial proteins using a
bio-orthogonal azido-palmitate analog that is derivatized with various
tagged triarylphosphines)
RN 946062-51-7 CAPLUS
CN Benzoic acid, 2-(diphenylphosphino)-4-[[4-[2-(6-hydroxy-3-oxo-3H-xanthen-9-
yl)benzoyl]-1-piperazinyl]carbonyl]-, methyl ester (CA INDEX NAME)

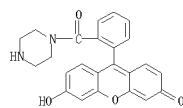


RE, CNT 73 THERE ARE 73 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2007:669380 CAPLUS
DN 147:271848
TI Imaging Cell Surface Glycans with Bioorthogonal Chemical Reporters
AU Chang, Pamela V.; Prescher, Jennifer A.; Hangauer, Matthew J.; Bertozzi,
Carolyn R.
CS Departments of Chemistry and Molecular and Cell Biology and Howard Hughes
Medical Institute, University of California, Berkeley, CA, 94720, USA
SO Journal of the American Chemical Society (2007), 129(27), 8400-8401
CODEN: JACSAT; ISSN: 0002-7863
PB American Chemical Society
DT Journal
LA English
OS CASREACT 147:271848
AB The visualization of biomols. as they function in living systems is
important for understanding complex biol. processes. Here, the authors
applied the bioorthogonal chemical reporter technique to image cell surface
glycans using multiple metabolic labels. The authors introduced two
different chemical reporters into sialic acid and N-acetylgalactosamine
(GalNAc) residues and then simultaneously imaged their associated cell
surface glycans with fluorescent probes.
IT 946062-51-7
RL: ARG (Analytical reagent use); BUU (Biological use, unclassified); SPN
(Synthetic preparation); ANST (Analytical study); BIOL (Biological study);
PREP (Preparation); USES (Uses)
(imaging cell surface glycans with bioorthogonal chemical reporters)
RN 946062-51-7 CAPLUS
CN Benzoic acid, 2-(diphenylphosphino)-4-[[4-[2-(6-hydroxy-3-oxo-3H-xanthen-9-
yl)benzoyl]-1-piperazinyl]carbonyl]-, methyl ester (CA INDEX NAME)



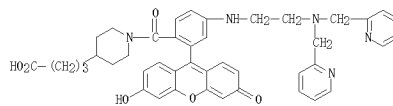
IT 455312-73-9P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(imaging cell surface glycans with bioorthogonal chemical reporters)
RN 455312-73-9 CAPLUS
CN 3H-Xanthen-3-one, 6-hydroxy-9-[2-(1-piperazinylcarbonyl)phenyl]- (CA
INDEX NAME)



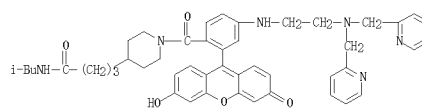
RE, CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

L4 ANSWER 6 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2006:1335481 CAPLUS
DN 146:376083
TI Advances in zinc sensors for studying zinc release events from pancreatic
cells
AU Rosenzweig, Zeev; Rosenzweig, Nitsa; Crivat, Georgeta
CS Univ. of New Orleans, New Orleans, LA, 70148, USA
SO Proceedings of SPIE-The International Society for Optical Engineering
(2006), 6380(Smart Medical and Biomedical Sensor Technology IV),
638002/1-638002/8
CODEN: PSISDG; ISSN: 0277-786X
PB SPIE-The International Society for Optical Engineering
DT Journal
LA English
AB This paper describes the fabrication and characterization of the anal.
properties of fluorescence-based zinc ion sensing glass slides and
antibody based zinc sensors and their application in monitoring zinc
release from beta pancreatic cells. The zinc ion indicator ZnAF-2 (6-[N-
[N', N'-bis (2-pyridinylmethyl)-2-aminoethyl]
amino-3,6'-dihydroxy-spiro[isobenzofuran-1(3H), 9']-9H] xanthene]-3-one)
was modified to include a sufficiently long linking aliphatic chain, with a
terminal carboxyl functional group. The activated carboxyl-modified
ZnAF-2 was conjugated to the amino silanized surface of glass slides and
to free amino groups of the A2B5 antibody mols. The sensors were used to
monitor zinc ion release events from glucose-stimulated pancreatic cells.
IT 909259-09-2 930599-13-6
RL: ARU (Analytical role, unclassified); BUU (Biological use,
unclassified); ANST (Analytical study); BIOL (Biological study); USES
(Uses)
(advances in zinc sensors for studying zinc release events from
pancreatic cells)
RN 909259-09-2 CAPLUS
CN 4-Piperidinebutanamide, 1-[4-[[2-[bis(2-pyridinylmethyl)amino]ethyl]amino]-2-(6-hydroxy-3-oxo-3H-xanthen-9-
yl)benzoyl]- (CA INDEX NAME)



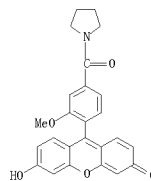
RN 930599-13-6 CAPLUS
CN 4-Piperidinebutanamide, 1-[4-[[2-[bis(2-pyridinylmethyl)amino]ethyl]amino]-2-(6-hydroxy-3-oxo-3H-xanthen-9-yl)benzoyl]-N-(2-methylpropyl)- (CA INDEX NAME)



RE, CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 6 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

L4 ANSWER 7 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2006:1250308 CAPLUS
DN 146:164648
TI Creation of superior carboxyfluorescein dyes by blocking donor-excited photoinduced electron transfer
AU Mineno, Tomoko; Ueno, Tasuku; Urano, Yasuteru; Kojima, Hirotatsu; Nagano, Tetsuo
CS Graduate School of Pharmaceutical Sciences, The University of Tokyo, 7-3-1 Hongo, Bunkyo-ku, Tokyo, 113-0033, Japan
S0 Organic Letters (2006), 8(26), 5963-5966
CODEN: ORLEP7; ISSN: 1523-7060
PB American Chemical Society
DT Journal
LA English
OS CASREACT 146:164648
AB Carboxyfluoresceins are widely utilized as fluorescence labeling reagents, but we recently found that their emission intensity is markedly decreased after esterification. On the basis of our hypothesis that the fluorescence decrease is due to a donor-excited photoinduced electron transfer (d-PeT) process, we have developed novel carboxyfluorescein derivs. in which the d-PeT process is hampered, and the emission intensity is not decreased upon esterification. These novel dye derivs. display high quantum yields and are expected to be useful as labeling agents.
IT 876752-73-7P
RL: PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(orange dye intermediate; preparation of superior carboxyfluorescein dyes by blocking donor-excited photoinduced electron transfer)
RN 876752-73-7 CAPLUS
CN 3H-Xanthen-3-one, 6-hydroxy-9-[2-methoxy-4-(1-pyrrolidinylcarbonyl)phenyl]-(CA INDEX NAME)

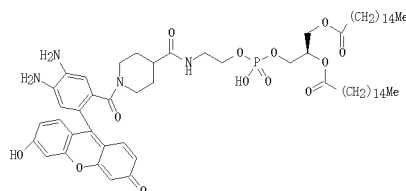


RE.CNT 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 8 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2006:918691 CAPLUS
DN 145:288088
TI Membrane-anchoring fluorescent probe
IN Nagano, Tetsuo; Kojima, Hirotatsu; Osaki, Takashi
PA The University of Tokyo, Japan
S0 PCT Int. Appl., 20pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE

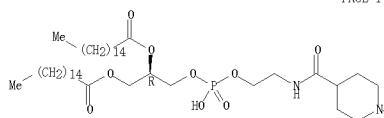
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006093252	A1	20060908	WO 2006-JP204054	20060303
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			

PRAI US 2005-658177P P 20060304
GI

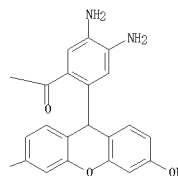


AB A membrane-anchoring fluorescent probe is provided, which is composed of a compound wherein a residue of a phospholipid is bound with a residue of a fluorescent probe compound via a linker (for example, a compound represented by the formula (I)). It has been shown that I function as a NO probe on HeLa cell membrane.
IT 908371-22-2P
RL: ARG (Analytical reagent use); SPN (Synthetic preparation); ANST (Analytical study); PREP (Preparation); USES (Uses)
(membrane-anchoring fluorescent probe)
RN 908371-22-2 CAPLUS
CN Hexadecanoic acid, (1R)-1-[[[2-[[[1-[4,5-diamino-2-(3,6-dihydroxy-9H-xanthen-9-yl)]benzoyl]-4-piperidinyl]carbonyl]amino]ethoxy]hydroxyphosphinyloxy]methyl]-1,2-ethanediyl ester (9CI) (CA INDEX NAME)
Absolute stereochemistry.

L4 ANSWER 8 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
PAGE 1-A



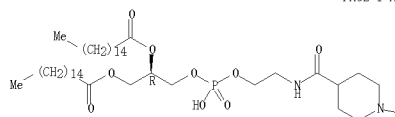
PAGE 1-B



IT 908371-15-3P
RL: BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(membrane-anchoring fluorescent probe)
RN 908371-15-3 CAPLUS
CN Hexadecanoic acid, (1R)-1-[[[2-[[[1-[2-(3,6-dihydroxy-9H-xanthen-9-yl)]benzoyl]-4-piperidinyl]carbonyl]amino]ethoxy]hydroxyphosphinyloxy]methyl]-1,2-ethanediyl ester (9CI) (CA INDEX NAME)
Absolute stereochemistry.

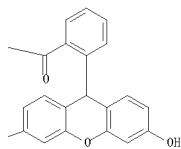
L4 ANSWER 8 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

PAGE 1-A



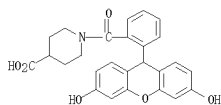
HO

PAGE 1-B

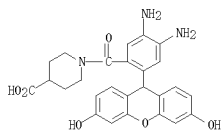


IT 908371-13-1 908371-14-2
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (membrane-anchoring fluorescent probe)

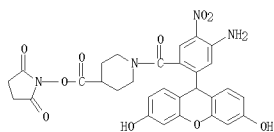
RN 908371-13-1 CAPLUS
 CN 4-Piperidinecarboxylic acid, 1-[2-(3,6-dihydroxy-9H-xanthen-9-yl)benzoyl]-
 (CA INDEX NAME)



L4 ANSWER 8 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



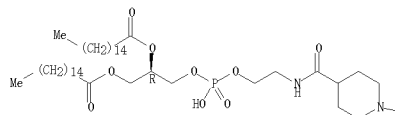
RN 908371-20-0 CAPLUS
 CN 4-Piperidinecarboxylic acid, 1-[4-amino-2-(3,6-dihydroxy-9H-xanthen-9-yl)-
 5-nitrobenzoyl]-, 2,5-dioxo-1-pyrrolidinyl ester (CA INDEX NAME)



RN 908371-21-1 CAPLUS
 CN Hexadecanoic acid, (1R)-1-[[[2-[[[1-[4-amino-2-(3,6-dihydroxy-9H-xanthen-
 9-yl)-5-nitrobenzoyl]-4-piperidinyl]carbonyl]amino]ethoxy]hydroxyphosphiny
 l]oxy]methyl]-1,2-ethanediyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

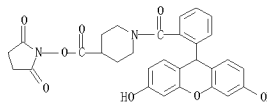
PAGE 1-A



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L4 ANSWER 8 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

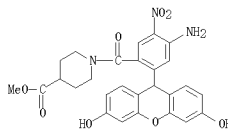
RN 908371-14-2 CAPLUS
 CN 4-Piperidinecarboxylic acid, 1-[2-(3,6-dihydroxy-9H-xanthen-9-yl)benzoyl]-
 , 2,5-dioxo-1-pyrrolidinyl ester (CA INDEX NAME)



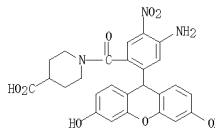
IT 908371-16-4P 908371-17-5P 908371-18-6P

908371-20-0P 908371-21-1P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (membrane-anchoring fluorescent probe)

RN 908371-16-4 CAPLUS
 CN 4-Piperidinecarboxylic acid, 1-[4-amino-2-(3,6-dihydroxy-9H-xanthen-9-yl)-
 5-nitrobenzoyl]-, methyl ester (CA INDEX NAME)



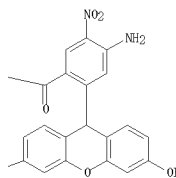
RN 908371-17-5 CAPLUS
 CN 4-Piperidinecarboxylic acid, 1-[4-amino-2-(3,6-dihydroxy-9H-xanthen-9-yl)-
 5-nitrobenzoyl]- (CA INDEX NAME)



RN 908371-18-6 CAPLUS
 CN 4-Piperidinecarboxylic acid, 1-[4,5-diamino-2-(3,6-dihydroxy-9H-xanthen-9-
 yl)benzoyl]- (CA INDEX NAME)

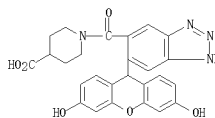
L4 ANSWER 8 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

PAGE 1-B



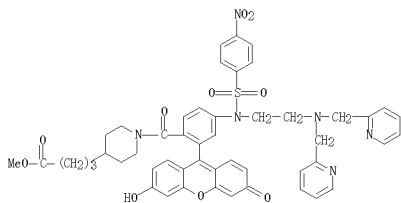
IT 908371-19-7P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (membrane-anchoring fluorescent probe)

RN 908371-19-7 CAPLUS
 CN 4-Piperidinecarboxylic acid, 1-[[[5-(3,6-dihydroxy-9H-xanthen-9-yl)-1H-
 benzotriazol-6-yl]carbonyl]- (CA INDEX NAME)



RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE.FORMAT

L4 ANSWER 9 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN
 AN 2006:691184 CAPLUS
 DN 145:309590
 TI Fluorescence-Based Zinc Ion Sensor for Zinc Ion Release from Pancreatic Cells
 AU Crivat, Georgeta; Kikuchi, Kazuya; Nagano, Tetsuo; Priel, Tsvia; Hershfinkel, Michal; Sekler, Israel; Rosenzweig, Nitsa; Rosenzweig, Zeev
 CS Department of Chemistry and the Advanced Materials Research Institute, University of New Orleans, New Orleans, LA, 70148, USA
 SO Analytical Chemistry (2006), 78(16), 5799-8804
 CODEN: ANCHAM; ISSN: 0003-2700
 PB American Chemical Society
 DT Journal
 LA English
 OS CASREACT 145:309590
 AB In this paper, the authors describe the synthesis and characterization of anal. properties of fluorescence-based zinc ion-sensing glass slides and their application in monitoring zinc ion release from beta pancreatic cells in cell cultures. To fabricate the sensors, the zinc ion indicator ZnAF-2 [6-[N-[N',N'-bis(2-pyridinylmethyl)-2-aminoethyl]amino-3',6'-dihydroxyspiro[isobenzofuran-1(3H),9'-[9H]xanthene]-3-one)] was modified to include a sufficiently long linking aliphatic chain with a terminal carboxyl functional group. The recently synthesized ZnAF-2 zinc ion indicator provided high zinc ion selectivity in physiol. solns. containing millimolar levels of calcium and other possible interfering cations. The carboxyl-modified ZnAF-2 was conjugated to the activated surface of glass slides, which then served as zinc ion sensors. It was possible to grow pancreatic cells directly on the zinc-sensing glass slide or on a membrane placed on these glass slides. The sensors were used to monitor zinc ion release events from glucose-stimulated pancreatic cells. The study showed that the zinc ion sensors responded effectively to the release of zinc ions from pancreatic cells at the nanomolar level with high selectivity and rapid subsecond response time.
 IT 909259-04-7P 909259-09-2P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (fluorescence-based zinc ion sensor for zinc ion release from pancreatic cells)
 RN 909259-04-7 CAPLUS
 CN 4-Piperidinebutanoic acid, 1-[4-[[2-bis(2-pyridinylmethyl)amino]ethyl][(4-nitrophenyl)sulfonyl]amino]-2-(6-hydroxy-3-oxo-3H-xanthen-9-yl)benzoyl]-, methyl ester (CA INDEX NAME)

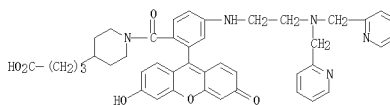


L4 ANSWER 9 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 PAGE 1-B



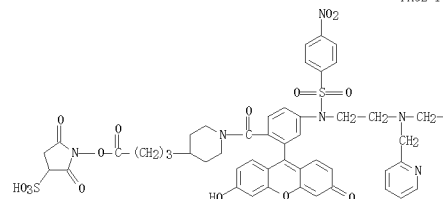
RE,CNT 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 9 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 RN 909259-09-2 CAPLUS
 CN 4-Piperidinebutanoic acid, 1-[4-[[2-bis(2-pyridinylmethyl)amino]ethyl]amino]-2-(6-hydroxy-3-oxo-3H-xanthen-9-yl)benzoyl]- (CA INDEX NAME)

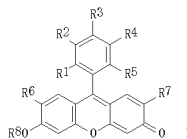


IT 909259-15-0P
 RL: BIU (Biological use, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 (immobilized; fluorescence-based zinc ion sensor for zinc ion release from pancreatic cells)
 RN 909259-15-0 CAPLUS
 CN 4-Piperidinebutanoic acid, 1-[4-[[2-bis(2-pyridinylmethyl)amino]ethyl][(4-nitrophenyl)sulfonyl]amino]-2-(6-hydroxy-3-oxo-3H-xanthen-9-yl)benzoyl]-, 2,5-dioxo-3-sulfo-1-pyrrolidinyl ester (CA INDEX NAME)

PAGE 1-A

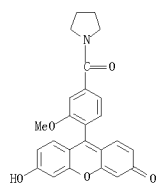


L4 ANSWER 10 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN
 AN 2006:164346 CAPLUS
 DN 144:234605
 TI Fluorescein fluorescent labeling agents
 IN Nagano, Tetsuo; Urano, Yasuteru; Mineno, Tomoko; Ueno, Tasuku
 PA Daiichi Pure Chemicals Co., Ltd., Japan
 SO PCT Int. Appl., 27 pp.
 CODEN: PIXXDE
 DT Patent
 LA Japanese
 FAN,CNT 1
 PATENT NO. KIND DATE APPLICATION NO. DATE
 PI WO 2006019105 A1 20060223 WO 2005-JP14983 20050817
 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, GU, HK, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 PRAI US 2004-601986P P 20040817
 OS MARPAT 144:234605
 GI



AB The fluorescent labeling agent exhibiting high fluorescence in a state bound to the substrate to be labeled, contains I (R1-4 = H, a monovalent substituent; R5 = H, a monovalent group exclusive of carboxy and sulfo; R6, R7 = H, halo; and R8 = H, alkylcarbonyl, alkylcarbonyloxymethyl) bonded with a labeling compound
 IT 876752-73-7P
 RL: IMP (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of fluorescein fluorescent labeling agents)
 RN 876752-73-7 CAPLUS
 CN 3H-Xanthen-3-one, 6-hydroxy-9-[2-methoxy-4-(1-pyrrolidinylcarbonyl)phenyl]- (CA INDEX NAME)

L4 ANSWER 10 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



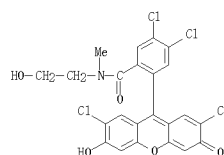
RE, CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 11 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2005:698218 CAPLUS
DN 143:169183
TI Xanthene dyes
IN Reddington, Mark; Lyttle, Matt
PA Bioscience Technologies, Inc., USA
SO U.S. Pat. Appl. Publ., 62 pp.
CODEN: USXXCO
DT Patent
LA English
FAN, CNT 2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 20050170363	A1	20050804	US 2004-824175	20040413
US 7344701	B2	20080318		
EP 1740100	A1	20070110	EP 2005-712902	20050204
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, JP, KR, LI, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR			US 2008-36926	20080225
US 20080214811	A1	20080904		
PRAI US 2004-541686P	P	20040203		
US 2004-824175	A	20040413		
WO 2005-053627	W	20050204		

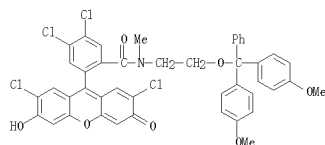
OS MARPAT 143:169183
AB The invention provides a novel class of xanthene dyes, some of which are functionalized to allow their coupling to conjugation partners of interest, e.g. biomols., drugs, toxins and the like. Also provided are conjugates of the dyes, methods of preparing and using the dyes and their conjugates and kits including the dyes and their conjugates.

IT 861143-20-6 861143-22-8 861143-23-9
861143-24-0 861143-25-1
RL: RCT (Reactant); RACT (Reactant or reagent)
(xanthene dyes)
RN 861143-20-6 CAPLUS
CN Benzamide, 4,5-dichloro-2-(2,7-dichloro-6-hydroxy-3-oxo-3H-xanthen-9-yl)-N-(2-hydroxyethyl)-N-methyl- (CA INDEX NAME)

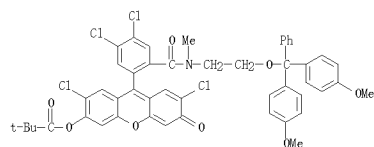


RN 861143-22-8 CAPLUS
CN Benzamide, N-[2-bis(4-methoxyphenyl)phenylmethoxy]ethyl]-4,5-dichloro-2-(2,7-dichloro-6-hydroxy-3-oxo-3H-xanthen-9-yl)-N-methyl- (CA INDEX NAME)

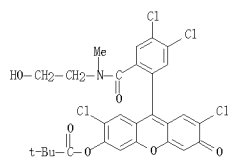
L4 ANSWER 11 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 861143-23-9 CAPLUS
CN Propanoic acid, 2,2-dimethyl-, 9-[2-[[[2-bis(4-methoxyphenyl)phenylmethoxy]ethyl]methylamino]carbonyl]-4,5-dichlorophenyl]-2,7-dichloro-3-oxo-3H-xanthen-6-yl ester (CA INDEX NAME)

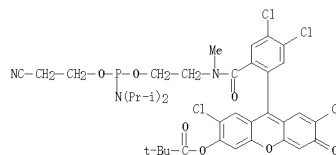


RN 861143-24-0 CAPLUS
CN Propanoic acid, 2,2-dimethyl-, 2,7-dichloro-9-[4,5-dichloro-2-[(2-hydroxyethyl)methylamino]carbonyl]phenyl]-3-oxo-3H-xanthen-6-yl ester (CA INDEX NAME)



RN 861143-25-1 CAPLUS
CN Propanoic acid, 2,2-dimethyl-, 9-[2-[[[2-[[[bis(1-methylethyl)amino](2-cyanoethoxy)phosphino]oxy]ethyl]methylamino]carbonyl]-4,5-dichlorophenyl]-2,7-dichloro-3-oxo-3H-xanthen-6-yl ester (CA INDEX NAME)

L4 ANSWER 11 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

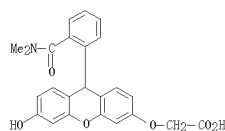


RE, CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 12 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN
 AN 2002:847025 CAPLUS
 DN 138:74690
 TI Xanthamide fluorescent dyes
 AU Gao, Jianxin; Wang, Fuguang; Giese, Roger W.
 CS Department of Pharmaceutical Sciences in the Bouve College of Pharmacy and Health Professions, Barnett Institute and Chemistry Department
 SO Northeastern University, Boston, MA, 02115, USA
 Analytical Chemistry (2002), 74(24), 6397-6401
 CODEN: ANCHAM; ISSN: 0003-2700
 PB American Chemical Society
 DT Journal
 LA English
 OS CASREACT 138:74690
 AB Two derivs. of fluorescein, termed "xanthamides," were prepared from fluorescein, an inexpensive dye. Relative to fluorescein, which contains a 6-phenolic OH and a 2'-carboxyl, the first derivative contains a carboxymethyl ether at the 6-position and a secondary amide of dimethylamine at the 2'-position. The second derivative (I) contains a corresponding 6-Me ether and a secondary amide of isonicotinic acid at the 2'-position. Thus, both derivs. contain a single carboxyl group, making them monofunctional. I is much more photostable (about 10 times) than either fluorescein or BODIPY FL dye when exposed to ordinary light (tungsten light bulb). When tested for relative response in a capillary electrophoresis instrument fitted with an argon ion laser detector (488 nm) and a broad band emission filter, I was found to be 4-fold less bright than fluorescein. Both xanthamides, consistent with prior literature on 6-O-alkylated fluorescein, exhibit relatively pH-independent fluorescence (pH 4-10 was tested here). Because they possess two absorbance maximum, the xanthamides can be excited over a broader wavelength range than fluorescein or BODIPY. These collective properties of the xanthamides will make them advantageous over fluorescein and BODIPY dyes for some applications.

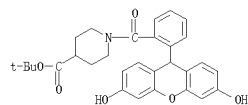
IT 480067-76-3P 480067-93-4P
 RL: FRP (Properties); SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (dye; preparation and fluorescence of xanthamide fluorescein derivative dyes)

RN 480067-76-3 CAPLUS
 CN Acetic acid, 2-[[9-[2-[(dimethylamino)carbonyl]phenyl]-6-hydroxy-9H-xanthen-3-yl]oxy]- (CA INDEX NAME)

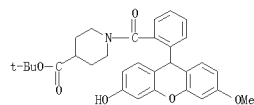


RN 480067-93-4 CAPLUS
 CN 4-Piperidinecarboxylic acid, 1-[2-(3-hydroxy-6-methoxy-9H-xanthen-9-yl)benzoyl]- (CA INDEX NAME)

L4 ANSWER 12 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

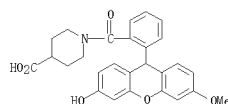


RN 480067-88-7 CAPLUS
 CN 4-Piperidinecarboxylic acid, 1-[2-(3-hydroxy-6-methoxy-9H-xanthen-9-yl)benzoyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



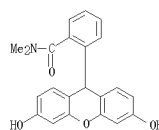
RE, CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 12 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

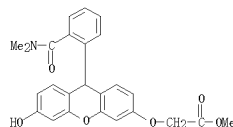


IT 442151-58-8P 480067-71-8P 480067-81-0P
 480067-88-7P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (intermediate; preparation and fluorescence of xanthamide fluorescein derivative dyes)

RN 442151-58-8 CAPLUS
 CN Benzamide, 2-(3,6-dihydroxy-9H-xanthen-9-yl)-N,N-dimethyl- (CA INDEX NAME)



RN 480067-71-8 CAPLUS
 CN Acetic acid, 2-[[9-[2-[(dimethylamino)carbonyl]phenyl]-6-hydroxy-9H-xanthen-3-yl]oxy]-, methyl ester (CA INDEX NAME)

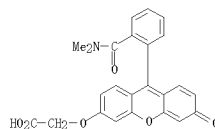


RN 480067-81-0 CAPLUS
 CN 4-Piperidinecarboxylic acid, 1-[2-(3,6-dihydroxy-9H-xanthen-9-yl)benzoyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)

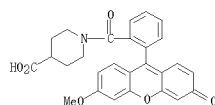
L4 ANSWER 13 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN
 AN 2002:539672 CAPLUS
 DN 137:95164
 TI Fluorescent xanthene derivative dyes, their production and their use
 AU Gao, Jianxin; Giese, Roger W.
 CS Northeastern University, USA
 SO PCT Int. Appl., 38 pp.
 CODEN: PIXXD2

DT Patent
 LA English
 FAN, CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002055512	A1	20020718	WO 2002-US801	20020110
W: US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
US 20040054195	A1	20040318	US 2003-250975	20030710
PRAI US 2001-261710P	P	20010112		
WO 2002-US801	W	20020110		
OS MARPAT 137:95164				
AB Secondary amide xanthene derivs., termed "xanthamides", and other xanthene derivs., are obtained as fluorescent dyes which can have much higher photostability than related dyes such as fluorescein and BODIPY-FL. Examples are presented in which the synthesis begins with fluoresceins or rhodamines. A diversity of xanthamide and related xanthene dyes can be prepared with a broad variation of physicochem. properties to enhance the usefulness of fluorescence in bio. and chemical anal., and in other areas. Xanthamides can also be used as indicators or quenchers of reactive oxygen or free radical species.				
IT 442151-50-0P 442151-56-6P				
RL: IMP (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (dye; production of fluorescent xanthene derivative dyes)				
RN 442151-50-0 CAPLUS				
CN Acetic acid, 2-[[9-[2-[(dimethylamino)carbonyl]phenyl]-3-oxo-3H-xanthen-6-yl]oxy]- (CA INDEX NAME)				



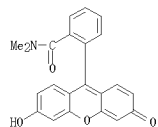
RN 442151-56-6 CAPLUS
 CN 4-Piperidinecarboxylic acid, 1-[2-(6-methoxy-3-oxo-3H-xanthen-9-yl)benzoyl]- (CA INDEX NAME)



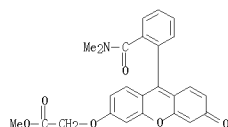
L4 ANSWER 13 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

IT 442151-46-4P 442151-48-6P 442151-52-2P
 442151-54-4P 442151-58-8P
 RL: IMP (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT
 (Reactant or reagent)
 (Intermediate; production of fluorescent xanthene derivative dyes)

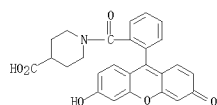
RN 442151-46-4 CAPLUS
 CN Benzamide, 2-(6-hydroxy-3-oxo-3H-xanthen-9-yl)-N,N-dimethyl- (CA INDEX NAME)



RN 442151-48-6 CAPLUS
 CN Acetic acid, 2-[[9-[2-[(dimethylamino)carbonyl]phenyl]-3-oxo-3H-xanthen-6-yl]oxy]-, methyl ester (CA INDEX NAME)



RN 442151-52-2 CAPLUS
 CN 4-Piperidinecarboxylic acid, 1-[2-(6-hydroxy-3-oxo-3H-xanthen-9-yl)benzoyl]- (CA INDEX NAME)

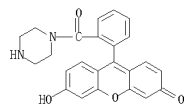


RN 442151-54-4 CAPLUS
 CN 4-Piperidinecarboxylic acid, 1-[2-(6-methoxy-3-oxo-3H-xanthen-9-yl)benzoyl]-, methyl ester (CA INDEX NAME)

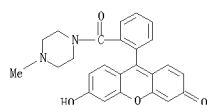
L4 ANSWER 14 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN
 AN 2002:505974 CAPLUS
 DN 137:213089
 TI Fluorescein-based pI markers for capillary isoelectric focusing with laser-induced fluorescence detection
 AU Slais, Karel; Horka, Marie; Novackova, Jana; Friedl, Zdenek
 CS Institute of Analytical Chemistry, Academy of Sciences of the Czech Republic, Brno, CZ-61143, Czech Rep.
 SO Electrophoresis (2002), 23(11), 1682-1688
 CODEN: ELCEDV; ISSN: 0173-0856
 PB Wiley-VCH Verlag GmbH
 DT Journal
 LA English
 AB We prepared a series of low-mol.-mass fluorescent ampholytes with narrow pI range. These fluorescein-based ampholytes are detection compatible with argon laser-induced fluorescence (LIF) detection. The selected properties, important for their routine use as fluorescent pI markers, were examined. The pI values of new fluorescein-based pI markers were determined by capillary isoelec. focusing (CIEF) using currently available low-mol.-mass pI markers for CIEF with photometric detection. The examples of CIEF with fluorometric detection of new compds. together with fluorescein isothiocyanate (FITC) derivatized proteins are presented.

IT 455312-73-9 455312-75-1 455312-77-3
 455312-79-5
 RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
 (fluorescein-based pI markers for capillary isoelec. focusing with laser-induced fluorescence detection)

RN 455312-73-9 CAPLUS
 CN 3H-Xanthen-3-one, 6-hydroxy-9-[2-(1-piperazinylcarbonyl)phenyl]- (CA INDEX NAME)

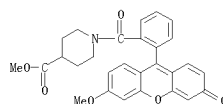


RN 455312-75-1 CAPLUS
 CN 3H-Xanthen-3-one, 6-hydroxy-9-[2-[(4-methyl-1-piperazinyl)carbonyl]phenyl]- (CA INDEX NAME)

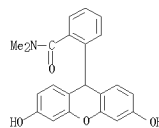


RN 455312-77-3 CAPLUS
 CN 3H-Xanthen-3-one, 9-[2-[(4-ethyl-1-piperazinyl)carbonyl]phenyl]-6-hydroxy- (CA INDEX NAME)

L4 ANSWER 13 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

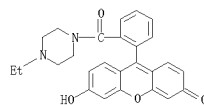


RN 442151-58-8 CAPLUS
 CN Benzamide, 2-(3,6-dihydroxy-9H-xanthen-9-yl)-N,N-dimethyl- (CA INDEX NAME)

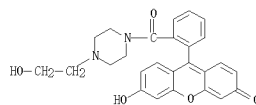


RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 14 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 455312-79-5 CAPLUS
 CN 3H-Xanthen-3-one, 6-hydroxy-9-[2-[[4-(2-hydroxyethyl)-1-piperazinyl]carbonyl]phenyl]- (CA INDEX NAME)

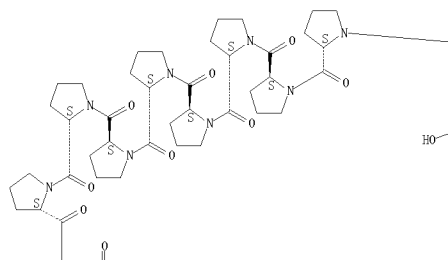


RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

LA ANSWER 15 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN
 AN 2002:488562 CAPLUS
 DN 137:201598
 TI Peptide Dendrimers Based on Polyproline Helices
 AU Crespo, Laila; Sancinens, Gloria; Montaner, Beatriz; Perez-Tomas, Ricardo;
 Roys, Miriam; Rons, Miquel; Albericio, Fernando; Giral, Ernest
 CS Departament de Química Orgànica, Universitat de Barcelona, Barcelona,
 08028, Spain
 SO Journal of the American Chemical Society (2002), 124(30), 8876-8883
 CODEN: JACSAT; ISSN: 0002-7863
 PB American Chemical Society
 DT Journal
 LA English
 OS CASREACT 137:201598
 AB The authors present a new family of peptide dendrimers based on
 polyproline helices and cis-4-amino-L-proline as a branching unit.
 Dendrimers were synthesized by a convergent solid-phase peptide synthesis
 approach. The conformational transition between polyproline type I helix
 and polyproline type II helix was observed by CD in branched polyproline
 building blocks with more than 14 proline residues and in the resulting
 dendrimers. Both linear and dendritic polyprolines were found to be
 actively internalized by rat kidney cells. Preliminary results showed
 that the antibiotic ciprofloxacin formed complexes with branched
 polyproline chains in 99.5% propanol.
 IT 452308-78-0P
 RL: BSU (Biological study, unclassified); PRP (Properties); SPN (Synthetic
 preparation); BIOL (Biological study); PREP (Preparation)
 (preparation of proline-based peptides and comparisons of their
 conformations with that of proline dendrimers)
 RN 452308-78-0 CAPLUS
 CN L-Proline, 1-[2-(6-hydroxy-3-oxo-3H-xanthen-9-yl)benzoyl]-L-prolyl-L-
 prolyl-L-prolyl-L-prolyl-L-prolyl-L-prolyl-L-prolyl-L-prolyl-L-prolyl-L-
 prolyl-L-prolyl-L-prolyl-L-prolyl- (9CI) (CA INDEX NAME)

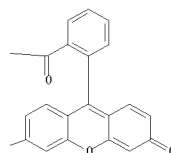
Absolute stereochemistry.

PAGE 1-A

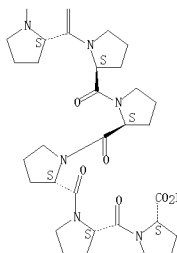


LA ANSWER 15 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

PAGE 1-B



PAGE 2-A

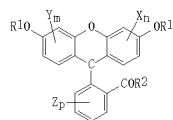


RE.CNT 52 THERE ARE 52 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

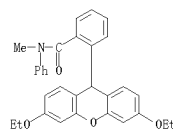
LA ANSWER 16 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN
 AN 1987:587437 CAPLUS
 DN 107:187437
 OREF 107:29907A, 29910a
 TI Image-forming composition
 IN Sensui, Hideyuki; Gonda, Michihiro; Ohara, Toshio
 FA Hodogaya Chemical Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 5 pp.
 CODEN: JKXAXF
 DT Patent
 LA Japanese
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 62094841	A	19870501	JP 1985-233545	19851021
JP 05065012	B	19930816		
FRAI JP 1985-233545		19851021		

 GI

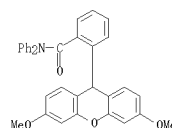


AB An image-forming composition contains an oxidation color-rendering xanthene compound
 of the formula I [R1 = C1-8 alkyl, aralkyl; R2 = C1-8 alkoxy, lower alkyl,
 OPn, aralkoxy, (alkyl, aryl, or aralkyl-substituted) NH2; X, Y, Z = halo;
 n, m = 0-2; p = 0-4]. A photosensitive paper prepared using the composition
 gives stable clear images, which when fixed, do not render color even
 after being exposed again. Thus, 3,6-dimethoxyfluoran was dissolved in
 MeOH, then HCl gas was injected at 60° to obtain an ester, which
 was treated with NaBH4 in MeOH to obtain
 3,6-dimethoxy-9-(2-methoxycarbonyl)phenylxanthene (II; m.p.
 131-133°). Then, 1,3-diphenylguanidine, poly(vinyl alc.), and 70%
 EtOH were mixed, applied onto a paper, and then a color-rendering solution
 containing II applied to obtain a photosensitive paper.
 IT 110943-60-7 110943-63-0 110985-62-1
 RL: USES (Uses)
 (photoimaging compns. containing, with improved image stability)
 RN 110943-60-7 CAPLUS
 CN Benzamide, 2-(3,6-dimethoxy-9H-xanthen-9-yl)-N-methyl-N-phenyl- (CA INDEX
 NAME)

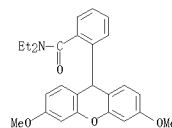


RN 110943-63-0 CAPLUS
 CN Benzamide, 2-(3,6-dimethoxy-9H-xanthen-9-yl)-N,N-diphenyl- (CA INDEX
 NAME)

LA ANSWER 16 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

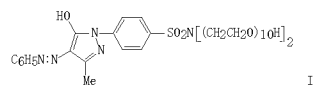


RN 110985-62-1 CAPLUS
 CN Benzamide, 2-(3,6-dimethoxy-9H-xanthen-9-yl)-N,N-diethyl- (CA INDEX NAME)



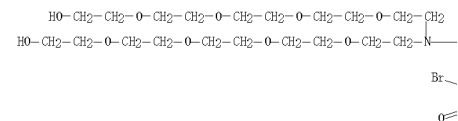
PAGE 1-B

PATENT NO.		KIND	DATE	APPLICATION NO.	DATE
PI	JP 58191772	A	19831109	JP 1982-75678	19820506
	JP 03041511	B	19910624		
PRAI	JP 1982-75678		19820506		
GT					

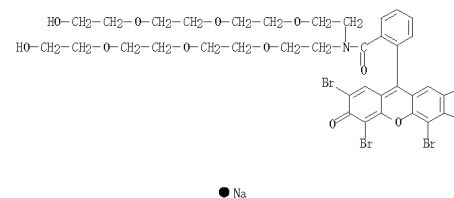


AB	Jet-printing inks are prepared which contain dyes having substituents CONSR1 or SOGNRR1 [R, R1 = (CH2CH2O)nH or (CH2CH(OH))nR2, n = 0-12, R2 = Me or CH2OH]. Thus, an ink containing I [89519-64-2] 3, water 76, ethylene glycol 20, and LiCl 1 part had good storage properties and recording properties and gave clear images.
IT	89619-17-1 89636-20-9 RL: TEM (Technical or engineered material use): USES (Uses) (dyes, for jet-printing inks)
RN	89619-47-1 CAPLUS
CN	Benzamide, N-N-bis[2-[2-(2-hydroxyethoxy)ethoxy]ethoxy]ethyl]-2- [2,4,7-tetraoxa-6-hydroxy-3-oxo-3H-xanthen-9-yl]-, sodium salt (1:1) (CA INDEX NAME)

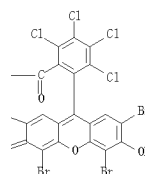
PAGE 1-A



PAGE 1-A

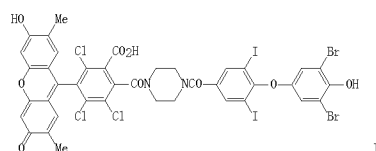


PAGE 1-B



LA ANSWER 18 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1982:521173 CAPLUS
DN 97:121173
OREF 97:20021a,20024a
TI Fluorescent thyroid hormone conjugates and their uses
IN Shenna, Fyare L.; Ullman, Edwin F.
PA Syra Co., USA
SO U.S. 6 pp.
CODEN: USKXAM
DT Patent
LA English
EAN QNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4329461	A	19820511	US 1980-111158	19800111
US 1980-111158		19800111		
CASREACT 97:121173; MARPAT		97:121173		



AB Novel polyhalothyronines or immunogenic mimetic analogs having Br at the 3',5' positions of the thyronine mimetic analog were conjugated with a rigid linking group to a fluoroscer compound. These conjugates can be used to detect thyroid hormones as well as proteins which specifically bind to thyroid hormones. For example, 25 μ L of the fluorophore conjugate, N-4-(3',5'-dibromo-4'-hydroxyphenoxy)-3,5-diiodobenzoyl N-(2',7'-dimethyl-3'-hydroxy-6'-oxo-9'- α -(2',5',6'-trichloro-3'-hydroxyphenyl)-4'-formyl)xanthene piperazine (I) [SK000-72-0] or N-4-(3',5'-dibromo-4'-hydroxyphenoxy)-3,5-diiodobenzoyl N-(2',7'-dimethyl-3'-hydroxy-6'-oxo-9'- α -(2',5',6'-trichloro-4'-carboxyphenyl)-3'-formyl)xanthene piperazine [SK000-73-1], 25 μ L of thyroxine [51-48-9] standard solution, and 25 μ L of the azithyroxine-quencher at dilns. of 1:40, 1:20, 1:10, 1:5, and 1:2.5 gave fluorescent readings of 1015, 1022, 899, 832, and 670, resp.

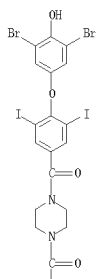
IT SK000-72-0P SK000-73-1P
RL: PREP (Preparation)
(Preparation and thyroid hormone determination with)

RN SK000-72-0 CAPLUS

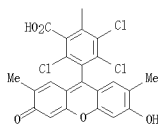
CN Benzoic acid, 2,4,5,6-tetrachloro-6'-[[4-[4-(3,5-dibromo-4-hydroxyphenoxy)-3,5-diiodobenzoyl]-2'-hydroxyphenyl]carbonyl]-3'-(6-hydroxy-2,7-dimethyl-3-oxo-3'-xanthene-9-yl)]- (CA INDEX NAME).

L4 ANSWER 18 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

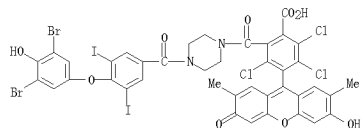
PAGE 1-A



PAGE 2-A



RN 83000-73-1 CAPLUS
CN Benzoic acid, 2,3,5-trichloro-6-[[4-[4-(3,5-dibromo-4-hydroxyphenoxy)-3,5-diiodobenzoyl]-1-piperazinyl]carbonyl]-4-(6-hydroxy-2,7-dimethyl-3-oxo-3H-xanthen-9-yl)]- (CA INDEX NAME)



L4 ANSWER 19 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1974:474803 CAPLUS

DN 81:74803

OREF 81:11896a,11898a

TI Mechanism of action of eosin-methylene blue agar in the differentiation of
Escherichia coli and Enterobacter aerogenes

AU Horvath, R. S.; Ropp, M. E.

CS Dep. Biol., Bowling Green State Univ., Bowling Green, OH, USA

SO International Journal of Systematic Bacteriology (1974), 24(2), 221-4

CODEN: IJSB88; ISSN: 0020-7713

DT Journal

LA English

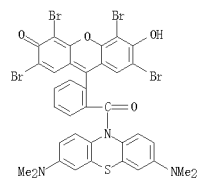
AB The mechanism involved in the action of eosin-methylene blue agar (EMB) in differentiating E. coli from E. aerogenes was investigated using prototrophic strains of these organisms and a Lac- auxotroph, E. coli X-961. The final pH of the EMB agar resulting from growth of these organisms at the expense of lactose was shown to play a critical role in the differential action. An EMB complex, which formed under acidic conditions, may be involved in the differential action of this medium. The mol. weight of the complex indicated an eosin to methylene blue ratio of 1 to 1. Infrared and uv spectral data indicated the occurrence of an amide bond between the dyes when complexing occurred. On this basis, a mechanism for complexing of eosin and methylene blue, under acidic conditions, was proposed.

IT 52946-21-1P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 52946-21-1 CAPLUS

CN 10H-Phenothiazine-3,7-diamine, N,N,N',N'-tetramethyl-10-[2-(2,4,5,7-tetrabromo-6-hydroxy-3-oxo-3H-xanthen-9-yl)benzoyl]-, sodium salt (9CI)
(CA INDEX NAME)



● Na

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(FILE 'HOME' ENTERED AT 10:08:23 ON 06 NOV 2008)

FILE 'REGISTRY' ENTERED AT 10:08:34 ON 06 NOV 2008

L1 STRUCTURE UPLOADED

D

L2 2 SEA SSS SAM L1

D SCAN

L3 54 SEA SSS FUL L1

D 1-54 IDE CAN

FILE 'CAPLUS' ENTERED AT 10:10:32 ON 06 NOV 2008

L4 19 SEA ABB=ON PLU=ON L3

D 1-19 BIB ABS HITSTR

FILE HOME

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

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DICTIONARY FILE UPDATES: 4 NOV 2008 HIGHEST RN 1070859-34-5

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<http://www.cas.org/support/stngen/stndoc/properties.html>

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FILE COVERS 1907 - 6 Nov 2008 VOL 149 ISS 19

FILE LAST UPDATED: 4 Nov 2008 (20081104/ED)

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10/539,790

11/10/2008

Page 31

<http://www.cas.org/legal/infopolicy.html>

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COST IN U.S. DOLLARS

SINCE FILE
ENTRY

TOTAL
SESSION

FULL ESTIMATED COST

105.47

406.46

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE
ENTRY

TOTAL
SESSION

CA SUBSCRIBER PRICE

-15.20

-15.20

STN INTERNATIONAL LOGOFF AT 10:13:08 ON 06 NOV 2008